

Two-Tier Search System: Logical Components Diagram

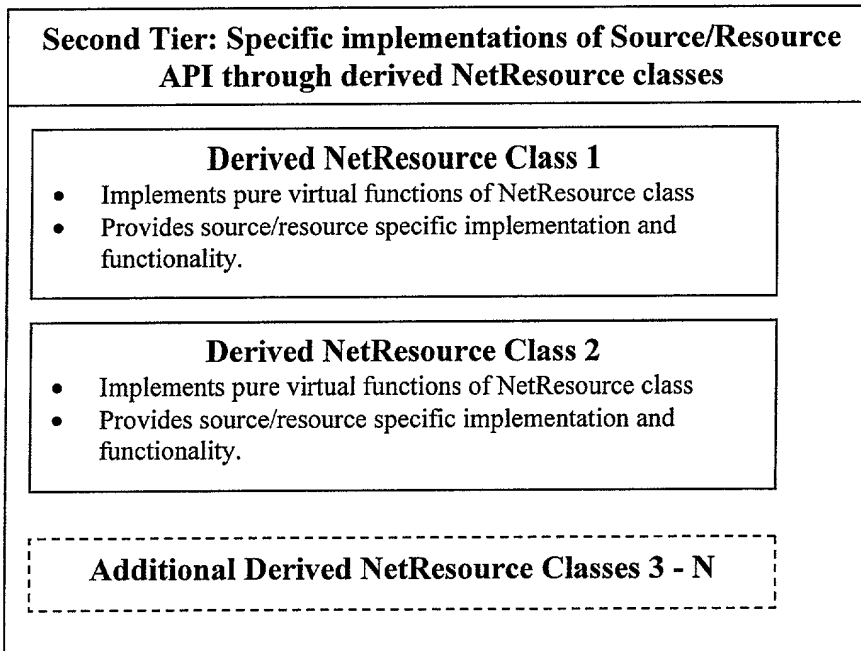
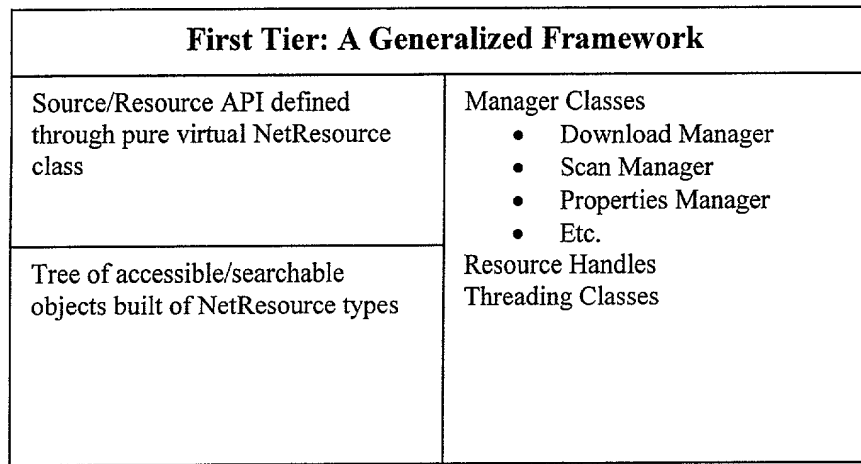


Figure 1

NetResource as the embodiment of the Source/Resource API and derived NetResource classes implementing specific functionality

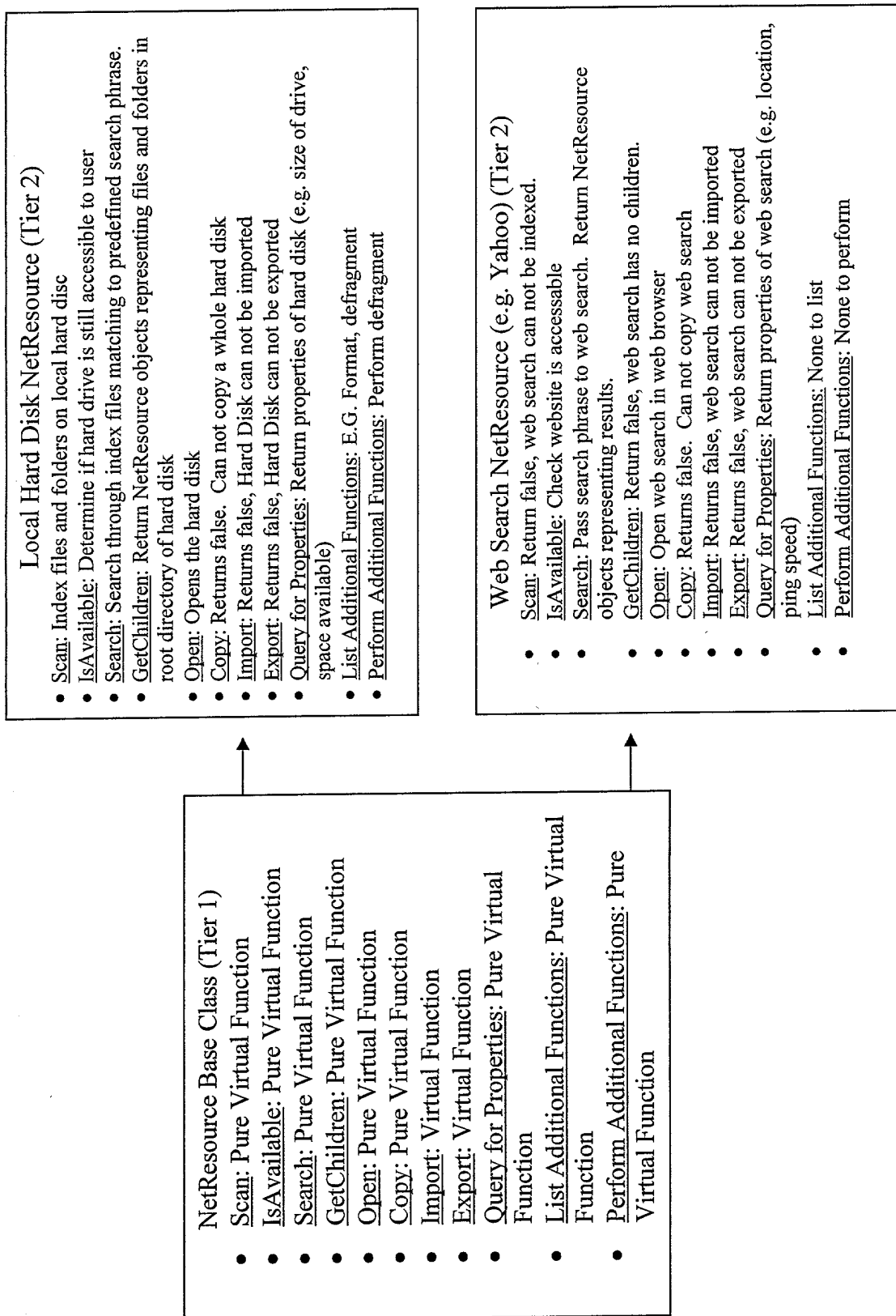


Figure 2

NetResource SubTypes define portions of NetResource API

NetResource Base Class

- Scan: Pure Virtual Function
- IsAvailable: Virtual Function
- Search: Virtual Function
- GetChildren: Virtual Function
- Open: Virtual Function
- Copy: Virtual Function
- Import: Virtual Function
- Export: Virtual Function
- Query for Properties: Virtual Function
- List Additional Functions: Virtual Function
- Perform Additional Functions: Virtual Function

Virtual NetResource (defined functions listed)

- Scan
- Search
- GetChildren
- Query for Properties
- List Additional Functions
- Perform Additional Functions

Resource NetResource (defined functions listed)

- Open
- Copy
- Import
- Export
- Query for Properties
- List Additional Functions
- Perform Additional Functions

Container NetResource (defined functions listed)

- Scan
- Is Available
- Search
- GetChildren
- Open
- Copy
- Import
- Export
- Query for Properties
- List Additional Functions
- Perform Additional Functions

Figure 3

NetResources organized in a Tree Structure

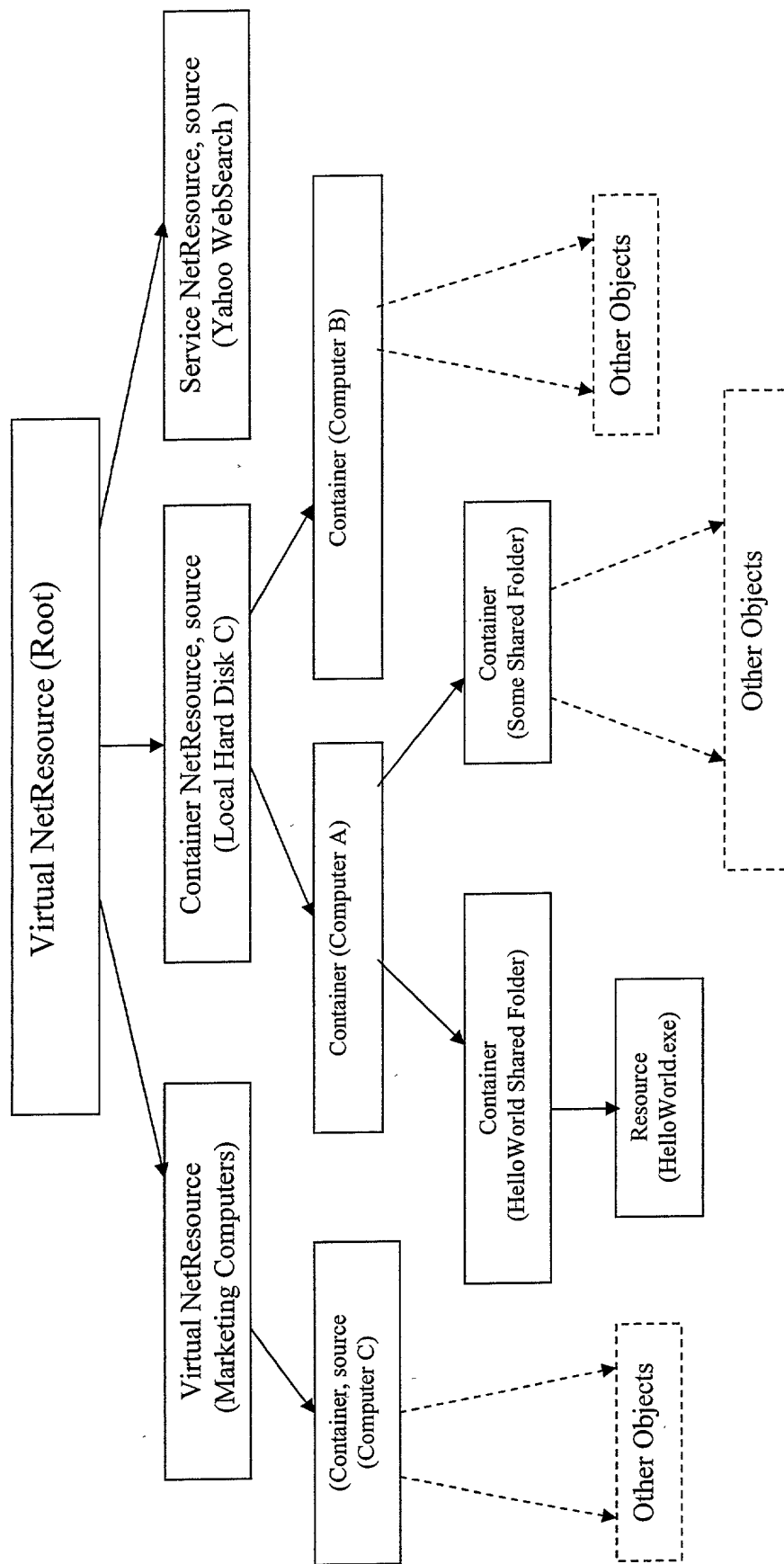
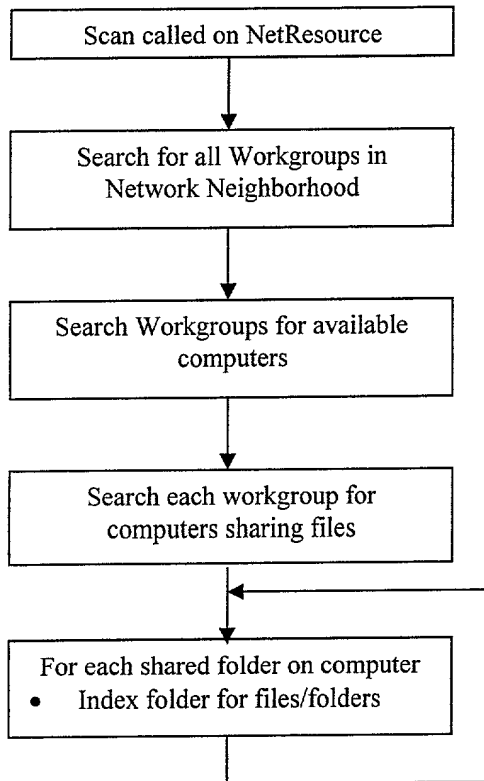


Figure 4

Scanning Procedures

Network Neighborhood



Remote Microsoft Shares Network

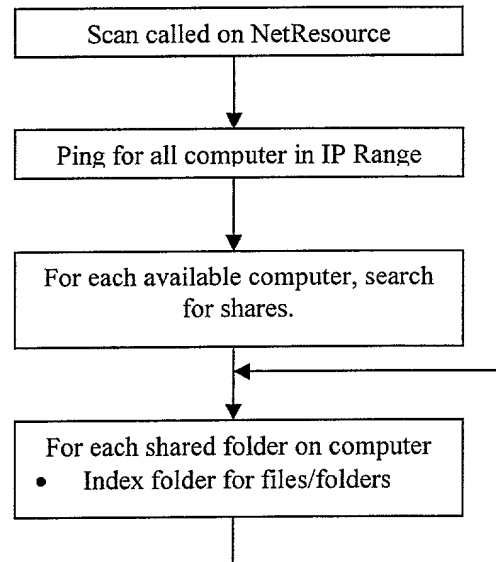


Figure 5

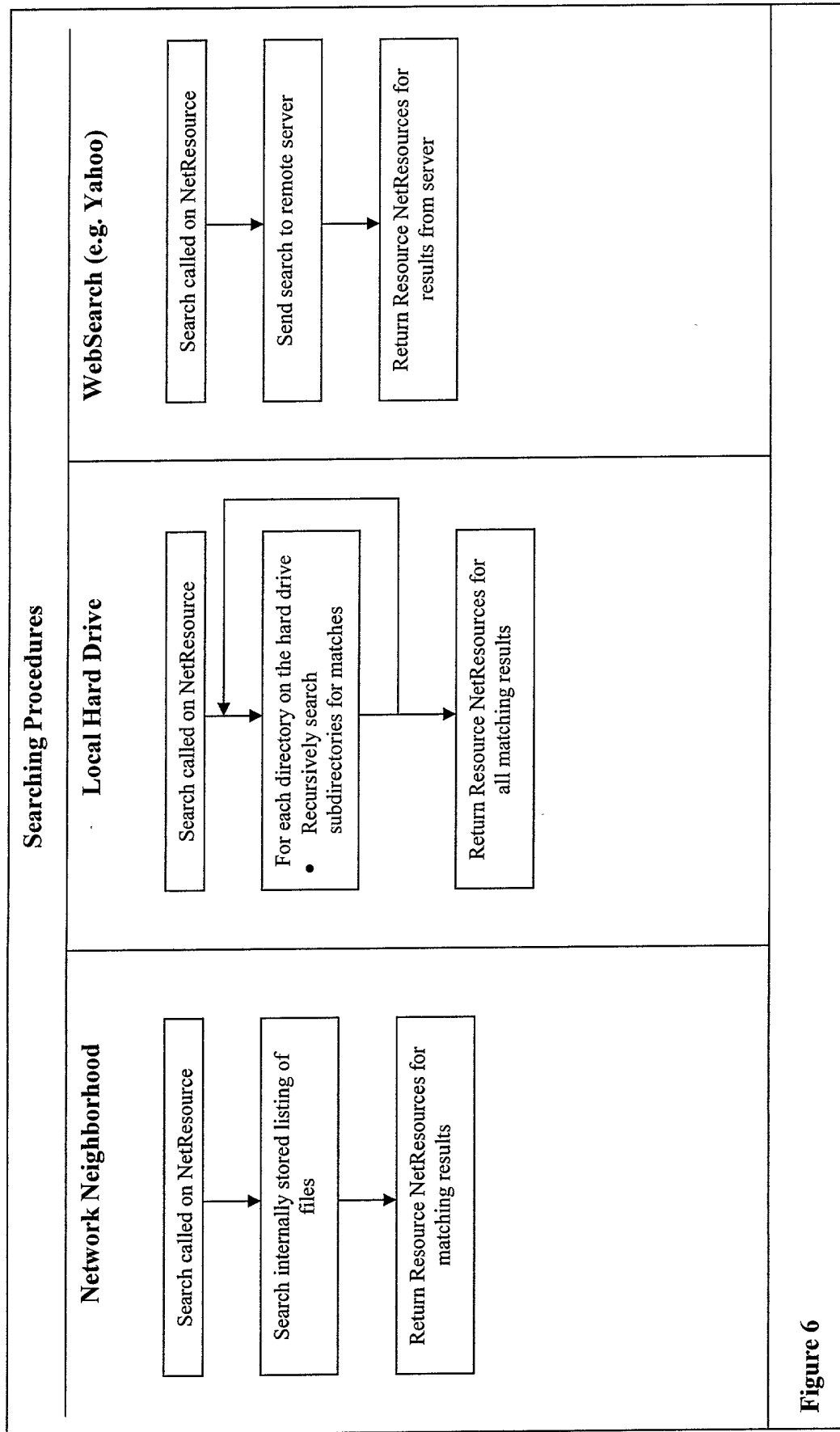


Figure 6